

## EXHIBIT #16

### R.F. EMISSION COMPLIANCE STATEMENT

Vermont Public Radio  
BNPFT20030317HJW  
Channel 237 – 0.038 kW H & V  
Middlebury, Vermont  
August 2003

The proposed one-bay, circularly polarized antenna will be energized such that it produces 0.038 kW effective radiated power from a center of radiation of 29 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 1-bay Shively 6812 (Type #6) antenna is 0.017 microwatts per square centimeter, which is 0.0017 percent of the maximum for a controlled area and 0.0087 percent of maximum for an uncontrolled area.

Since the predicted level of emissions is less than 1% of maximum, no further calculations were deemed necessary.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM station will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.